

Notice of Allowability

Application No.

10/761,980

Examiner

Thinh T. Nguyen

Applicant(s)

TUNG ET AL.

Art Unit

2818

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/16/2005.
2. ☒ The allowed claim(s) is/are 1-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


David Nelms
Supervisory Patent Examiner
Technology Center 2800

DETAILED ACTION

Reason for allowance

1. Claims 1-35 are allowed. The following is an examiner's statement of reason for allowance:

A/ Applicant filing of the Terminal disclaimer has overcome the Double Patenting Rejection of claims 1-35

B/ Claims 1-35 are allowed for the following reasons:

I/ Group I: Claims 1-14 :

Claims 1-14 are allowed because none of the references of record teaches or suggests the claimed **ORGANIC LIGHT EMITTING DEVICE STRUCTURE FOR OBTAINING CHROMATICITY STABILITY** having the limitations:

-- "the emissive region comprises:

a first emissive layer, comprising a first host material and a first emissive material, and a second emissive layer in physical contact with the first emissive layer and comprising a second host material and a second emissive material, and wherein: the first emissive layer is nearer to the anode than the second emissive layer, and at least one of the first emissive material or the second emissive material is a phosphorescent emissive material. "--
and all other limitations in claim 1.

II/ Group II: Claims 15-31:

Claims 15-31 are allowed because none of the references of record teaches or suggests the claimed **ORGANIC LIGHT EMITTING DEVICE STRUCTURE FOR OBTAINING CHROMATICITY STABILITY** having the limitations:

--“a first emissive layer, comprising a first host material and a first emissive material, and a second emissive layer in physical contact with the first emissive layer and comprising a second host material and a second emissive material, wherein.

the contact between the first emissive layer and the second emissive layer provides an electron injection barrier, a hole injection barrier, or both, the first emissive layer is nearer to the anode than the second emissive layer, at least one of the first emissive material or the second emissive material is a phosphorescent emissive material, and wherein the device emits with CIE x,y-coordinates that vary less than about 0.04 over the luminance of about 1000 cd/m² to about 20,000 cd/m² “--

and all other limitations in claim 15.

III/ Group III : Claims 32-35:

Claims 15-31 are allowed because none of the references of record teaches or suggests the claimed **ORGANIC LIGHT EMITTING DEVICE STRUCTURE FOR OBTAINING CHROMATICITY STABILITY** having the limitations:

--“ a first emissive layer, comprising a first host material and a first emissive material, and a second emissive layer comprising a second host material and a second emissive material, and a blocking layer between and in contact with the first emissive layer and the second emissive layer, wherein:

Art Unit: 2818

the blocking layer is an electron blocking layer or a hole blocking layer, and at least one of the first emissive material or the second emissive material is a phosphorescent emissive material. "--
and all other limitations in claim 32.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thinh T Nguyen whose telephone number is 571-272-1790.

The examiner can normally be reached on Monday-Friday 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached at 571-272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9319 for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval [PAIR] system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thinh T Nguyen



Art unit 2818



David Nelms
Supervisory Patent Examiner
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